

WHAT IS CLAIMED IS:

1. Image display orientation control apparatus for use with scanner apparatus and display apparatus operatively associated with the scanner apparatus, comprising:

5 a first setting, said first setting causing an image of an object scanned by said scanner apparatus to be displayed on said display apparatus in a first orientation, said first setting being preserved for subsequent uses of said scanner apparatus until
10 changed by a user; and

15 a second setting, said second setting causing said image to be displayed on said display apparatus in a second orientation, said second setting being preserved for subsequent uses of said scanner apparatus until changed by said user.

2. The image display orientation control apparatus of claim 1, wherein said first orientation comprises a portrait orientation, and wherein said second orientation comprises a landscape orientation.

3. The image display orientation control apparatus of claim 1, further comprising a switch operatively associated with said image display orientation control apparatus, said switch allowing said user to select
5 between said first setting and said second setting.

4. The image display orientation control apparatus of claim 3, wherein said switch is mounted to said scanner apparatus.

5. The image display orientation control apparatus of claim 3, wherein said switch is implemented as a user

selectable interface that is displayed on said display apparatus.

6. The image display orientation control apparatus of claim 1, further comprising an image data processing system operatively associated with said scanning apparatus and said display apparatus, said image data processing system receiving an image data signal produced by said scanner apparatus that is representative of said object, said image data processing system processing said image data signal so that said display apparatus displays the image of said object in said first orientation when said 5 first setting is selected by said user and so that said display apparatus displays the image of said object in said second orientation when said second setting is selected by said user.

7. Image display orientation control apparatus for use with scanner apparatus and display apparatus operatively associated with the scanner apparatus, comprising a plurality of settings, each of said plurality 5 of settings causing an image of an object scanned by said scanner apparatus to be displayed on said display apparatus in a corresponding one of a plurality of orientations, each of said plurality of settings being preserved for subsequent uses of said scanner apparatus 10 until changed by a user.

8. Scanner apparatus, comprising:
a housing having at least one opening therein;
a scanning device mounted within said housing;
a transparent platen mounted within the at least 5 one opening in said housing, said transparent platen allowing an object positioned adjacent said

transparent platen to be scanned by said scanning device; and

10 a switch, said switch allowing a user to select a first setting or a second setting, said first setting causing an image of said object to be displayed on a display apparatus operatively associated with said scanner apparatus in a first orientation, said second setting causing said image to be displayed on said display apparatus in a second orientation, said first setting being preserved for subsequent uses of said scanner apparatus until changed by said user, said second setting being preserved for subsequent uses of said scanner apparatus until changed by said user.

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9. The scanner apparatus of claim 8, wherein said first orientation comprises a portrait orientation, and wherein said second orientation comprises a landscape orientation.

10. The scanner apparatus of claim 8, further comprising an image data processing system operatively associated with said scanning apparatus and said display apparatus, said image data processing system receiving an image data signal produced by said scanning device that is representative of said object, said image data processing system processing said image data signal so that said display apparatus displays the image of said object in said first orientation when said first setting is selected by said user and so that said display apparatus displays the image of said object in said second orientation when said second setting is selected by said user.

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11. The scanner apparatus of claim 8, wherein said

switch is mounted to said scanner apparatus.

12. The scanner apparatus of claim 8, wherein said switch is implemented as a user selectable interface that is displayed on said display apparatus.

13. Image display orientation control software for use with scanner apparatus and display apparatus operatively associated with the scanner apparatus, comprising:

5 a first setting, said first setting causing an image of an object scanned by said scanner apparatus to be displayed on said display apparatus in a first orientation, said first setting being preserved for subsequent uses of said image display orientation control software until changed by a user; and

10 15 a second setting, said second setting causing said image to be displayed on said display apparatus in a second orientation, said second setting being preserved for subsequent uses of said image display orientation control software until changed by said user.

14. A scanning system, comprising:

scanner apparatus, said scanner apparatus producing an image data signal representative of an object being scanned;

5 display apparatus operatively associated with said scanner apparatus and responsive to the image data signal, said display apparatus displaying an image of the object; and

10 image display orientation control apparatus operatively associated with said scanner apparatus and said display apparatus, said image display

orientation control apparatus operable in a first setting and a second setting, the first setting causing said display apparatus to display the image of the object in a first orientation, the second setting causing said display apparatus to display the image of the object in a second orientation, the first and second settings of said image display orientation control apparatus being selectable by a user so that the first setting is preserved for subsequent uses of said scanner apparatus when the first setting is selected by the user and so that the second setting is preserved for subsequent uses of said scanner apparatus when the second setting is selected by the user.

15. The scanning system of claim 14, wherein said first orientation comprises a portrait orientation, and wherein said second orientation comprises a landscape orientation.

16. The scanning system of claim 14, further comprising a switch operatively associated with said image display orientation control apparatus, said switch allowing the user to select between the first setting and the second setting.

17. The scanning system of claim 14, further comprising an image data processing system operatively associated with said scanner apparatus, said display apparatus and said image display orientation control apparatus, said image data processing system receiving said image data signal produced by said scanner apparatus, said image data processing system processing said image data signal so that said display apparatus displays the

10 image of said object in said first orientation when said first setting is selected by said user and so that said display apparatus displays the image of said object in said second orientation when said second setting is selected by said user.

18. Image display orientation control apparatus for use with scanner apparatus and display apparatus operatively associated with the scanner apparatus, comprising:

5 first means for causing an image of an object scanned by said scanner apparatus to be displayed on said display apparatus in a first orientation, said first means being preserved for subsequent uses of said scanner apparatus until changed by a user; and
10 second means for causing said image to be displayed on said display apparatus in a second orientation, said second means being preserved for subsequent uses of said scanner apparatus until changed by said user.

19. A method for controlling image display orientation of scanner apparatus and display apparatus operatively associated with the scanner apparatus, comprising:

5 providing image display orientation control apparatus operatively associated with said scanner apparatus and said display apparatus, said image display orientation control apparatus operable in a first setting and a second setting, the first setting causing said display apparatus to display an image of an object scanned by said scanner apparatus in a first orientation, the second setting causing said display apparatus to display said image in a second

15 orientation, the first and second settings of said image display orientation control apparatus being selectable by a user so that the first setting is preserved for subsequent uses of said scanner apparatus when the first setting is selected by the user and so that the second setting is preserved for subsequent uses of said scanner apparatus when the second setting is selected by the user;

20 selecting said first setting so that said display apparatus displays said image in said first orientation; or, in the alternative,

25 selecting said second setting so that said display apparatus displays said image in said second orientation; and

operating said scanner apparatus.

20. A method for controlling image display orientation of scanner apparatus and display apparatus operatively associated with the scanner apparatus, comprising:

5 selecting a first orientation or a second orientation, said first orientation being preserved for subsequent uses of said scanner apparatus until changed by a user, said second orientation being preserved for subsequent uses of said scanner apparatus until changed by the user;

10 operating said scanner apparatus to scan an object positioned adjacent a scanning bed of said scanner apparatus and to obtain an image data signal representative of said object in said first orientation;

15 processing said image data signal so that said display apparatus displays an image of said object in said first orientation when said first orientation is

20 selected and so that said display apparatus displays
the image of said object in said second orientation
when said second orientation is selected;

displaying the image of said object in said
first orientation on said display apparatus when said
first orientation is selected, or in the alternative;

25 displaying the image of said object in said
second orientation on said display apparatus when
said second orientation is selected.